

**RECEIVED
CENTRAL FAX CENTER**

Application No.: 10/824,165
Amendment Dated March 17, 2008
Docket No.: ERN-TSH-001

MAR 17 2008**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims**CLAIMS**

1. (original) A method of making a truss, comprising:
generating data identifying a plurality of structural stud members for a truss, the structural stud members to be formed from a roll forming machine, the data for each stud including physical stud parameters and one or more locations for an alignment guide;
controlling the roll forming machine with the generated data to produce the plurality of metal stud members, the roll forming machine applying one or more alignment guides based on the locations in the data; and
assembling the studs to form the truss, the act of assembling including using the alignment guides to align connecting members to each other in order to fasten them together.
2. (original) The method of claim 1, wherein the one or more studs are "C" channel metal studs.
3. (original) The method of claim 1, wherein the act of applying the one or more alignment guides includes punching a hole in a stud at each alignment guide location.
4. (original) The method of claim 3, wherein the act of securing connecting stud members includes inserting a peg into one or more sets of associated alignment holes as they are fastened together with one or more screws.
5. (original) The method of claim 1, further including controlling the roll forming machine to apply an identifier proximal to each alignment guide indicating how many fasteners are to be used at the connection corresponding to the alignment guide.

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6. (original) The method of claim 1, wherein the truss is a back-to-back truss comprising "C" channel structural steel studs.

7. (original) The method of claim 1, wherein the data is generated by an executing software module that receives as input information generated by a design program that at least partially designs the truss.

8. (original) A truss made in accordance with the method of claim 1.

9. (original) In a roll-forming system that includes a roll forming machine and a processor for generating data to control the roll-forming machine to create a plurality of metal stud members for making a truss, a memory media having instructions that when executed by the processor cause it to perform a method comprising:

receiving data that identifies the plurality of stud members and where they are connected to one another to form the truss; and

generating data for controlling the roll-forming machine to create the studs, the generated data causing the roll-forming machine to apply an alignment guide on each stud at a location where it is to be connected to another stud.

10. (original) The memory media of claim 9, wherein the roll-forming machine is controlled to punch a hole for each alignment guide.

11. (original) The memory media of claim 9, wherein the roll-forming machine is controlled to apply an assembly tag onto each member proximal to an alignment guide.

12. (original) The memory media of claim 9, wherein an alignment guide is placed on a member's centerline where it intersects with a centerline from a connecting member.

Claims 13-20 (cancelled)

21. (new) A method of making a truss using back-to-back "C" channel studs without

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requiring the use of a jig, comprising:

forming a first "C"-channel stud using a roll-forming machine, the first "C" channel stud including a web, a flange, and a lip;

forming using the roll-forming machine in the first "C" channel data a first alignment feature;

forming a second "C"-channel stud using the roll-forming machine, the second "C" channel stud including a web, a flange, and a lip;

forming using the roll-forming machine in the second "C" channel data a second alignment feature;

juxtaposing the first and second "C"-channel studs back-to-back with the web of the first "C"-channel stud contacting the web of the second "C"-channel stud such that the first alignment feature and the second alignment feature are aligned; and

attaching the first and second "C"-channel studs to each other using fasteners, the alignment holes formed by the roll-forming machine providing a way for aligning and attaching the first and second "C"-channel studs without requiring a jig.

22. (new) The method of claim 21 in which the first alignment feature and the second alignment feature each comprises an alignment hole and in which juxtaposing the first and second "C"-channel studs such that the first alignment feature and the second alignment feature are aligned includes inserting an item into the first and second alignment holes.

23. (new) The method of claim 21 attaching the first and second "C"-channel studs to each other using self-drilling screws.

24. (new) The method of claim 21 in which forming a first "C"-channel stud using a roll-forming machine including forming on the roll-forming machine an assembly tag

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including information about assembling the stud to form the truss.

25. (new) The method of claim 21 in which forming a first alignment hole includes forming a first alignment hole on the centerline of the first "C"-channel stud and forming a second alignment hole includes forming the second alignment hole on the centerline of the second "C"-channel stud.